

PHOTOGRAPHIC INTERPRETATION REPORT



[REDACTED]  
CHEREPOVETS AMM/SAM  
LAUNCH COMPLEX, USSR

CHANGES AND ADDITIONS  
[REDACTED]

25X10

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## CHEREPOVETS AMM/SAM LAUNCH COMPLEX, USSR

### CHANGES AND ADDITIONS

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This report concerns the construction status of the Cherepovets AMM/SAM Launch Complex (Figure 1) as observed on KEYHOLE photography of [REDACTED] (Figure 2) and its chronological development as observed on photography since [REDACTED] (Figure 3). Its earlier history was described in previous NPIC publications. 1/ 2/

The CIA/ORR requirement, for information contained herein, also included a request for information pertaining to the Tallinn AMM/SAM Launch Complex. That portion of the requirement was the subject of a separate NPIC report, 3/ and further expanded in a subsequent NPIC report. 4/

The Cherepovets AMM/SAM Launch Complex [REDACTED] is under construction at 59-06-30N 38-10-00E, 8 nautical miles (nm) east-southeast of Cherepovets and approximately 200 nm north-northeast of Moscow.

Facilities of the Cherepovets complex, and their arrangement, generally equate to those of the deployed AMM/SAM launch complexes under construction near Tallinn and Liepaja, USSR.

4/ 5/

The complex was observed on clear, stereo, KH-4 KEYHOLE photography of [REDACTED] (Figure 2). Construction progress since [REDACTED] was apparent throughout the complex.

A road-served, centrally located, probable guidance control position at each launch site is enclosed by a U-shaped revetment. Clearing, grading, road, and revetted launch position construction is underway within each launch site and has progressed considerably since [REDACTED]. Launch positions are in varying construction stages.

Characteristics of the launch site components

include revetted center positions, linear and arc-shaped revetments at launch positions, and service road configurations which strongly equate

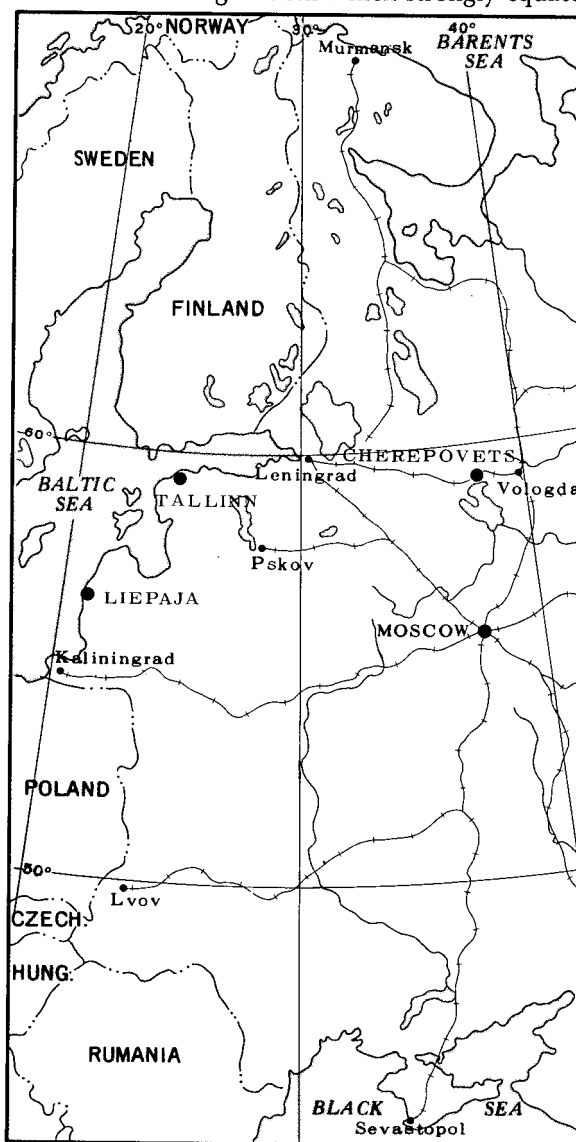


FIGURE 1. LOCATION OF CHEREPOVETS AMM/SAM LAUNCH COMPLEX.

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25X1D in arrangement and appearance to those of  
25X1D Sary-Shagan AMM/SAM Launch Areas 1 and  
2. 6/ 7/ Similarities are most obvious when  
compared with [REDACTED] photography  
of the Sary-Shagan areas.

25X1D Construction has continued since [REDACTED]  
[REDACTED] on facilities in the Possible Missile Hand-  
ling Area north of the launch area. The 2  
adjacent large buildings in this area now appear  
outwardly complete. A revetment has been con-  
structed along the southern and eastern sides  
of the more southerly of these 2 buildings.  
25X1D Construction of an apron west of the buildings  
has progressed since [REDACTED]. Construction is  
continuing on 2 additional smaller buildings,  
and new ground scarring along the more easterly  
north-south road in this area indicates preparation  
for further construction.

25X1D Preparation of positions at the Electronic  
Site south of the Launch Area is progressing,  
and the Electronic Site appears to be in a late  
construction stage.

25X1D [REDACTED] (Figure 3) the secured com-  
plex proper consisted of 5 launch sites in a pre-  
liminary construction stage, served by a partially  
constructed launch area main road with at least  
3 buildings positioned along its northern side.  
25X1D A cleared area in the northern portion of the  
secured complex was expanded between [REDACTED]

25X1D [REDACTED] At that time several rectan-  
gular clearings within the launch sites were ar-  
ranged in a pattern resembling those of the  
launch sites at the Tallinn complex. A road-  
and rail-served building area approximately 0.75  
nm northwest of the complex was present at  
that time and probably serves as a support area  
for the complex.

25X1D Launch area construction as of [REDACTED]  
was primarily concentrated upon the installation  
of an extensive drainage system, with peripheral  
ditching around each potential launch site.

25X1D The major portion of the complex was ob-  
scured by scattered to heavy clouds on photog-  
raphy of [REDACTED]. No changes or  
additions were observed in cloud-free areas.

25X1D Photography of [REDACTED] revealed  
further expansion of clearings and road con-  
struction in the area located north of the launch  
area main road. No change was apparent within  
the launch sites. Interpretation was limited by  
atmospheric haze and snow cover.

25X1D The complex was next observed on non-  
stereo [REDACTED]  
[REDACTED] Activity within the complex was indicated  
by vehicle tracks and ground scarring in the  
snow. An electronic site was newly observed under  
construction south of the Launch Area. Work  
had begun on 2 of its outer radar positions  
and its centrally located position. Ground scar-  
ring in the snow was observed at the launch  
positions of Site C. The launch area main road  
was being extended to the east leading to a  
new access road under construction to serve  
Launch Site E. Ground scarring, new since  
[REDACTED] was present in preparation for  
building construction at the northern end of  
the secured complex.

25X1D Photography of [REDACTED] revealed  
extensive ground scarring in the snow at the  
centers of Launch Sites C and E. Construction  
was continuing at the Electronic Site, on the  
launch area access roads, and in the area at  
the northern end of the complex.

25X1D A significant amount of construction prog-  
ress throughout the complex was apparent on  
photography of [REDACTED] first snow-free  
observation of the overall complex since [REDACTED]

25X1D At that time U-shaped revetments were under  
construction at the centers of Launch Sites B, C,  
and E and in an earlier stage at Site A. Roads  
were under construction leading to the centers  
of the launch sites, and an access road was newly  
observed extending from the main road to Launch  
Site A. Extensive ground scarring was observed  
at the launch positions of each launch site. One  
of the 2 large buildings in the Possible Missile  
Handling Area was newly observed in an early  
to mid construction stage and construction of  
the adjacent building was in a preliminary stage.

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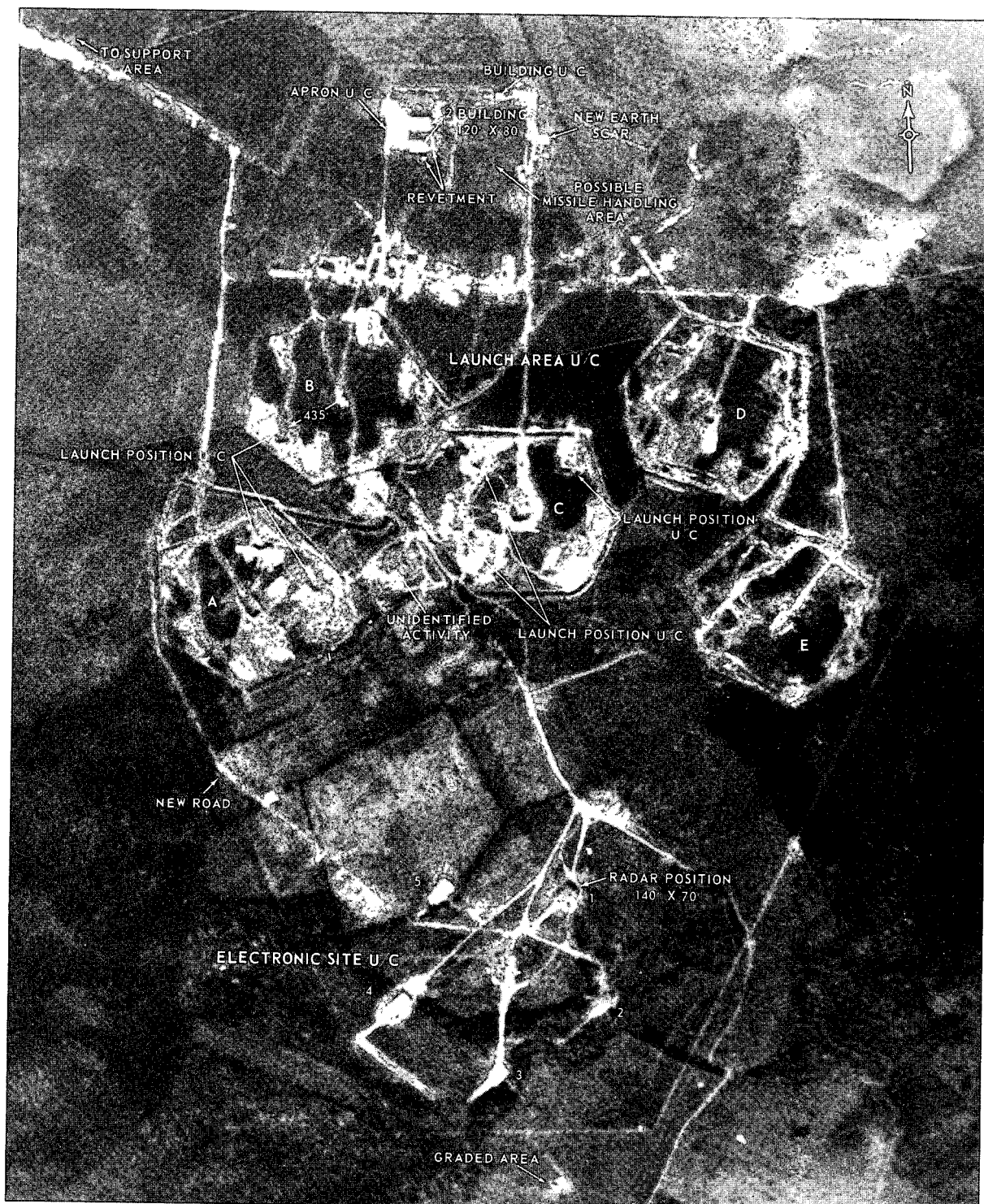


FIGURE 2. CHEREPOVETS AMM/SAM LAUNCH COMPLEX

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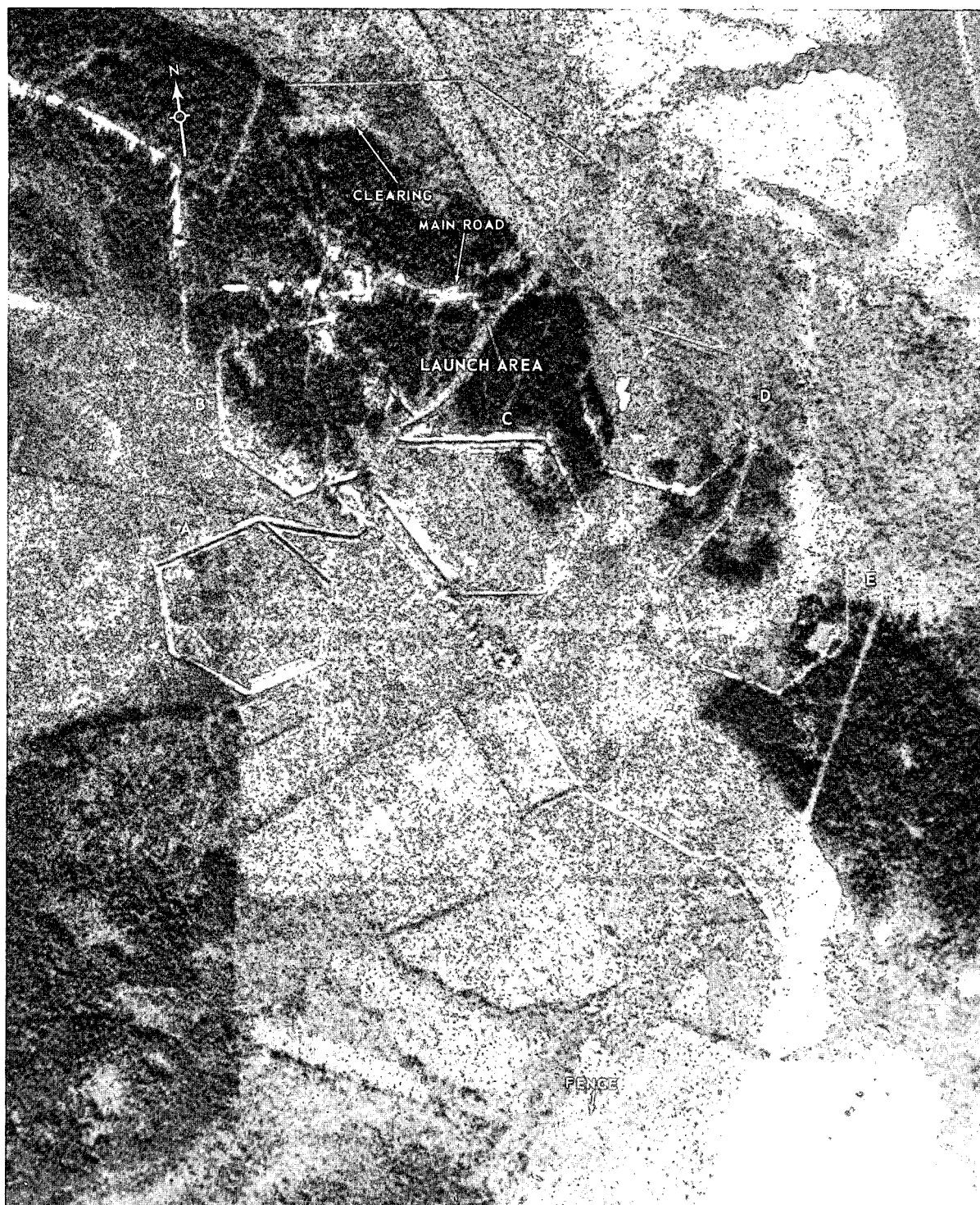


FIGURE 3. CHEREPOVETS AMM/SAM LAUNCH COMPLEX

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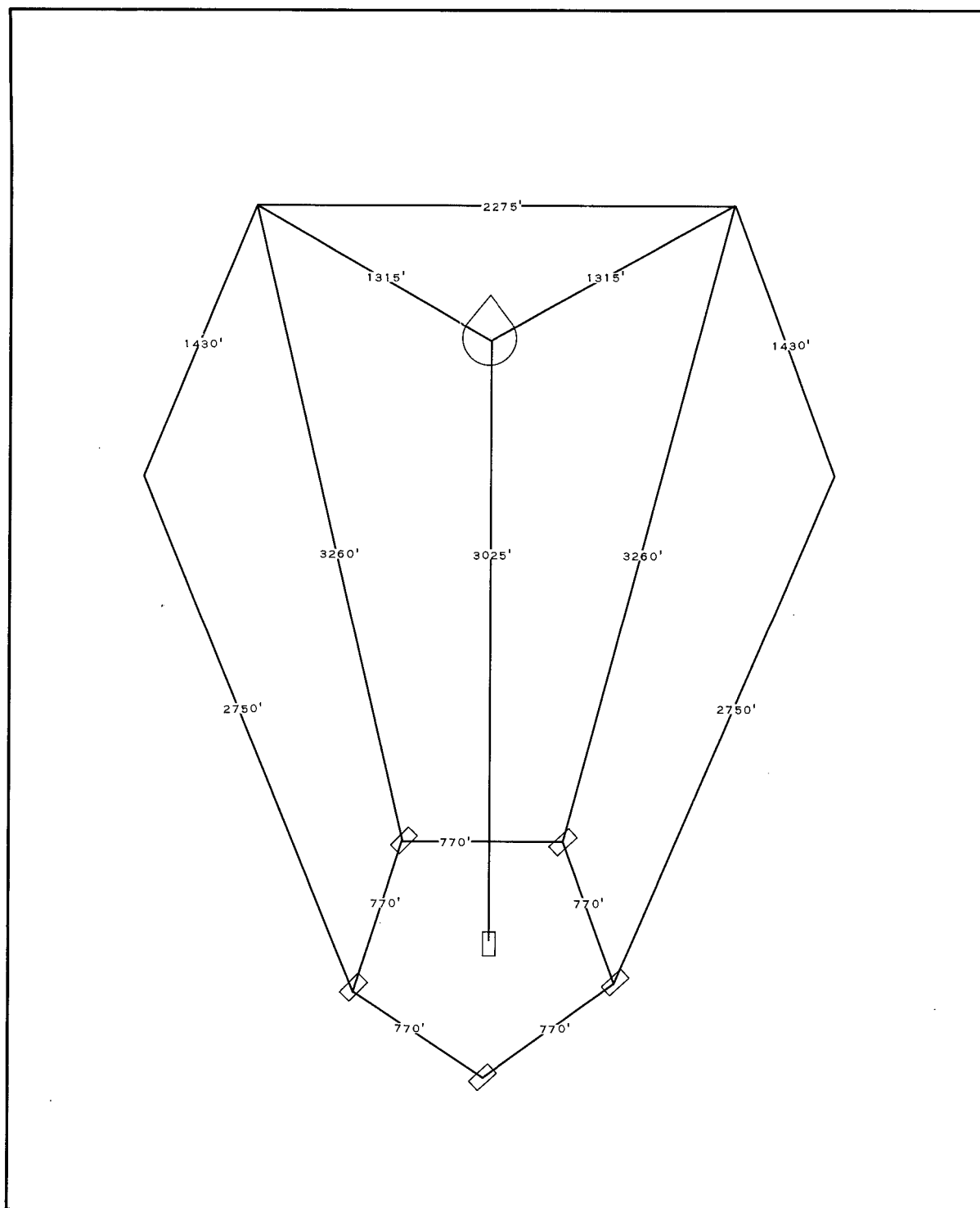


FIGURE 4. SCHEMATIC DIAGRAM SHOWING DISTANCES BETWEEN LAUNCH SITES AND POSITIONS OF ELECTRONIC SITE.

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Two additional smaller structures in this area were in an early construction stage. A third outer radar position was under construction at the Electronic Site, and preliminary grading had begun for another.

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revealed continuing construction progress at the launch positions of Sites A, B, and C, and building construction progress in the Possible Missile Handling Area. A new area of earth scarring was observed along the southern edge of the launch area main road northeast of Site B. A segment of new ditch construction was underway northwest of Site A. A fifth outer radar position was newly observed under construction at the Electronic Site and construction had progressed since on each of the other positions at the site. Construction of service roads had begun within the Electronic Site since and a new graded area was observed approximately 800 feet south-east of the southernmost position of the Electronic

25X1D

25X1D

Site.

Construction had continued since throughout the complex when it was observed on photography of Progress was observed in construction of launch site service roads, and revetments at launch positions and center positions. New ground scarring, probably a road under construction, extended from the vicinity of Launch Site A toward the Electronic Site. New road construction had occurred within the Electronic Site. The 2 adjacent large buildings in the Possible Missile Handling Area were in a more advanced stage of construction. An apron was newly observed under construction along the western side of the more northerly of the 2 adjacent buildings.

Distances between launch sites, center to center, and from the launch sites to positions of the Electronic Site are shown in a schematic diagram (Figure 4).

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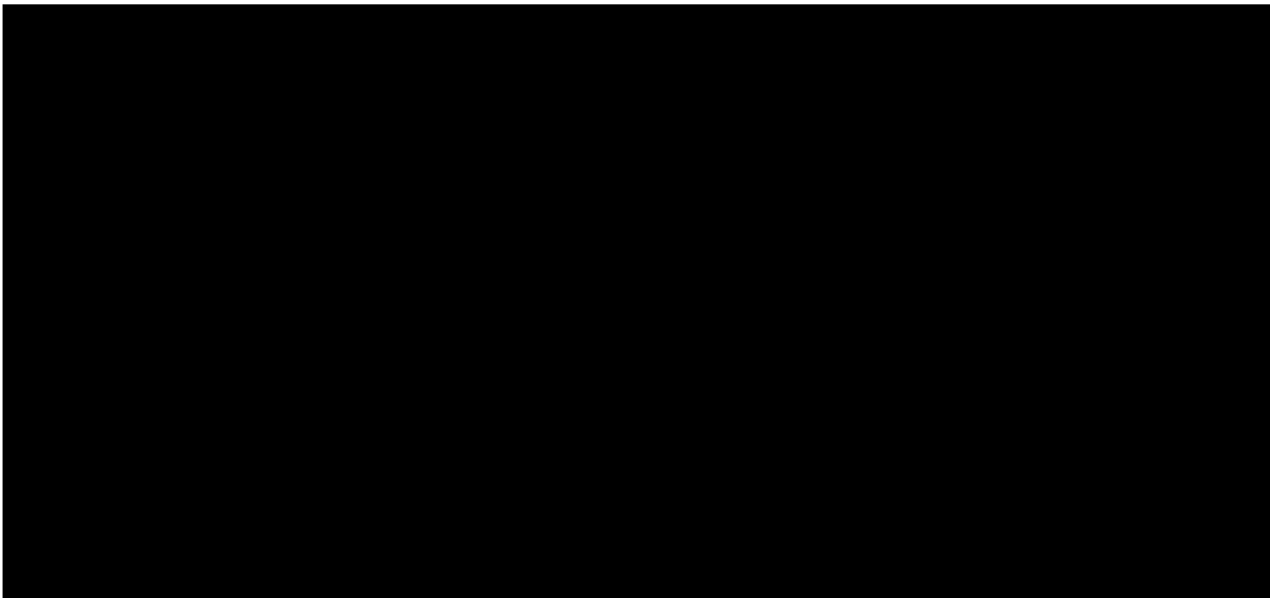


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#### REFERENCES



#### MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0154-8HL, 2d ed, Mar 64, scale 1:200,000 (SECRET)

#### DOCUMENTS

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2. NPIC. TCS-10620/64, *Cherepovets Suspect AMM/SAM Launch Complex, USSR*, [REDACTED] Dec 64 (TOP SECRET CHESS RUFF)
3. NPIC. TCS-81037/65, *Tallinn AMM/SAM Launch Complex, USSR, Changes and Additions*, [REDACTED] Aug 65 (TOP SECRET CHESS RUFF)
4. NPIC. TCS-81246/65, *Tallinn AMM/SAM Launch Complex, USSR, Changes and Additions*, [REDACTED] Sep 65 (TOP SECRET CHESS RUFF) 25X1D
5. NPIC. TCS-81239/65, *Liepaja AMM/SAM Launch Complex, USSR*, Sep 65 (TOP SECRET CHESS RUFF)
6. NPIC. TCS-81130/65, *Sary-Shagan AMM/SAM Launch Area 1, USSR*, Aug 65 (TOP SECRET RUFF)
7. NPIC. TCS-81131/65, *Sary-Shagan AMM/SAM Launch Area 2, USSR*, Aug 65 (TOP SECRET RUFF)

#### REQUIREMENT

CIA. ORR/C-RR5-82,636 (partial answer)

#### NPIC PROJECT

11381/65 (partial answer)

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